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In The Claims:

Cancel all of the claims, 1 through 20, and substitute new claims 21-38 as follows.

## NEW CLAIMS

What is claimed is:

- 21. (NEW) In a method for making filter elements comprising mixing activated carbon material and polymeric binder; extruding the mixture at a predetermined velocity through an extruder barrel wherein the mixture is heated to a temperature above the softening point of at least some of the polymeric binder and molded into a porous element; and then cooling said porous element to a temperature below the melting point of the polymeric binder; the improvement comprising manipulating the porous element as it is being formed while it is passed through the extruder barrel whereby to cause an increased porosity of the porous element.
- 22. (NEW) The method for making filter elements of claim 21, wherein the increased porosity is greatest at the outer periphery of the porous element resulting in an increasing density across a cross-section of the porous element in a direction from the periphery thereof to the center of the structure.
- 23. (NEW) The method of claim 21 wherein at least some of the polymeric binder is introduced in the form of fibers.
- 24. (NEW) The method of claim 21 wherein the activated carbon is granular and in a first step the granular activated carbon and the polymeric binder are mixed with intensive agitation.
- 25. (NEW) The method of claim 24 wherein activated carbon fibers are introduced after the intensive agitation and the resulting admixture is thereafter further mixed with less vigorous agitation.
- 26. (NEW) The method of claim 22 wherein the porosity of the porous element is variably increased by moving it forward using a predetermined screw rotation velocity in the extruder barrel, and then passing the porous element through an extrusion head having a mandrel which operates at a rotation velocity lower than the screw rotation velocity.
- 27. (NEW) The method of claim 26 wherein the mandrel rotation velocity is from 0.001-0.99 times the screw rotation velocity.

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- 28. (NEW) The method of claim 21 wherein the polymeric binder is introduced in the form of a mixture of fibrous polymers.
- 29. (NEW) The method of claim 28 wherein the polymeric binder is a mixture of fibrous polymers of at least two different polymeric compositions, with the melting point of one type of polymer differing by at least 10°C from the melting point of the other.
- 30. (NEW) The method of claim 21 wherein the polymeric binder is introduced in the form of a mixture of powdered and fibrous polymers.
- 31. (NEW) The method of claim 30 wherein the melting point of the powdered polymer is lower than the melting point of the fibrous polymer.
- 32. (NEW) The method of claim 21 wherein the polymeric binder comprises a material selected from the group consisting of polypropylene fibers, polyethylene fibers and polyamide fibers.
- 33. (NEW) A method of claim 32 specified by the use of fibrous polymeric binder having an average fiber length of about 5 to 20 times the average fiber diameter.
- 34. (NEW) The method of claim 21 wherein the activated carbon comprises fibers having an average length of about 2 to 100 times the average fiber diameter.
- 35. (NEW) The method of claim 21 wherein the porous element has minimum hydraulic resistance.
- 36. (NEW) The method of claim 22 wherein the porous element has minimum hydraulic resistance.
- 37. (NEW) A porous element formed by the method of claim 21.
- 38. (NEW) A porous element formed by the method of claim 22.